

IN THE SPECIFICATION

Please amend the specification, to read as follows:

Between the title and the subheading "BACKGROUND OF THE INVENTION", please insert the following paragraph:

CLAIM OF PRIORITY

This application makes reference to, incorporates the same herein, and claims all benefits accruing under 35 U.S.C. §119 from an application entitled "*SHOCK ABSORBING OUTSOLE OF SHOE*" earlier filed in the Korean Intellectual Property Office on the 7th of February 2003, from an application entitled *SHOES FOR ABSORBING SHOCK* earlier filed in the Korean Intellectual Property Office on the 11th of July 2003 and there assigned Serial No. 20-2003-0022284, and from an application entitled *APPARATUS FOR SHOCK ABSORBING OF SHOES* filed in the Korean Intellectual Property Office on the 2nd of August 2003 and there duly assigned Serial No. 10-2003-0053584.

2. Please amend paragraph [0006], to read as follows:

Additionally, in case of employing the air bag, it has an advantage that the sole can be made of a material strong to abrasion. On the other hand, it is problematic in that the air bag is torn by a sharp object to thus ~~run off~~ lose air and resultantly can exhibit no buffering effect at all.

3. Please amend paragraph [0009], to read as follows:

To achieve the above object, there is provided a shock absorbing shoe according to one aspect of the present invention, comprising: which may be constructed with an upper member which wraps and protects the instep and ankle; a cushion member which is sutured to the upper member, improves a frictional force between the sole of a foot and the ground, and consists of which may use a forefoot portion and a heel portion each having a recess of a predetermined depth; a buffering unit which is arranged in the respective recesses of the forefoot and heel portions of the cushion member for absorbing shocks while the wearer is walking or running; an air pumping unit which is arranged in the recess of the heel portion to perform an auxiliary buffering action and which supplies air onto the forefoot portion; and a bottom sole which is mounted on the upper part of the cushion member and to which the foot sole of the user is tightly attached.

4. Please amend paragraph [0010], to read as follows:

There is provided a shock absorbing shoe according to another aspect of the present invention, comprising: which may be constructed with upper and lower caps which are symmetrical to each other and have a plurality of annular flanges projected, the annular flanges having insert grooves on the inside surfaces facing each other; and coil springs which integrally connects the upper and lower caps with both opposite ends being forcedly inserted into annular flange insert grooves of the upper and lower caps and have a predetermined elastic force.

5. Please amend paragraph [0011], to read as follows:

There is provided a shock absorbing shoe according to still another aspect of the present invention, which has a sole attached to the bottom portion of the shoe for protecting the foot sole and forming a friction with the ground, comprising: which may be constructed with a cushion member which has an upper of the shoe attached thereto to form the shape of the shoe and a recess of a predetermined shape provided on the bottom surface; a friction member which is attached to the bottom surface of the cushion member for forming a friction with the ground; and a shock absorbing member which is arranged in the recess and has a predetermined recess formed between the cushion member and the friction member and several rectangular cross sectional coil springs elastically mounted between fixed caps.

6. Please amend paragraph [0032], to read as follows:

Preferably, the air supply pipe 132 is formed by forming a guide groove 133 on the upper surface of the cushion member 110 to a predetermined depth. But the present invention does is not limited thereto and it is also possible to form the air supply pipe 132 as a separate part.

7. Please amend paragraph [0037], to read as follows:

Furthermore, the air compressed upon operation of the air pumping unit 130 is guided to

the recess 113 of the forefoot portion 111 via the air supply pipe 132 and simultaneously introduced into the shoe via the through holes 141 formed on the bottom sole 140 at the position corresponding to the forefoot portion 111. By this, the foot of the wearer can be cooled down and the generation of sweat caused by ~~a long time wearing~~ wearing of the shoe for a long time can be prevented.

8. Please amend paragraph [0045], to read as follows:

When such a space region is generated, there is a possibility that ~~noises~~ noise occurring upon a buffering action through the coil springs 230 are emitted to the outside. Thus, in order to prevent this emission and double the buffering effect along with the coil springs 230, it is preferable that an auxiliary buffering body 240 is sandwiched between the upper and lower caps 210 and 220 so that it can ~~become~~ be adjacent to the coil springs 230.

9. Please amend paragraph [0050], to read as follows:

Since the coil springs 230 sandwiched between the upper and lower caps 210 and 220 are forcedly inserted into the insert grooves 211a and 221a formed on the annular flanges 211 and 221 of the upper and lower caps 210 and 220, it is possible to prevent the coil springs 230 from falling off out as well as the upper and lower caps 210 and 220.

10. Please amend paragraph [0051], to read as follows:

That is to say, it is made possible to maintain a mutual firm ~~assembly state~~ state of the assembly.

11. Please amend paragraph [0052], to read as follows:

Meanwhile, because the auxiliary buffering body 240 sandwiched between the upper and lower caps 210 and 220 carries out the buffering action along with the coil springs 230, the buffering effect can be doubled. Further, the auxiliary buffering body 240 exhibits the effect of blocking the space region between the upper and lower caps 210 and 220, thereby preventing a noise generating from the noise generated by coil springs 230 from being emitted to the outside.

12. Please amend paragraph [0054], to read as follows:

As shown therein, the shock absorbing shoe 300 is comprised of may be constructed with an upper member 310 wrapping and protecting the instep and ankle and a cushion member 320 increasing a frictional force between the sole of a foot and the ground upon walking.

13. Please amend paragraph [0055], to read as follows:

The cushion member 320 is provided with an inner sole which is placed on the surface of the cushion member 320, which is compressively bonded to the upper member 310 with a bond or coupled thereto by sewing so as to absorb shocks and achieve a stable coupling state and which offers wearing stability, air permeability and absorptivity, but a detailed description and illustration therefore will be omitted.

14. Please amend paragraph [0057], to read as follows:

Into the recess 324 346, a shock absorbing member 340 having the same shape and height as the recess 346 is inserted and fixed. In the shock absorbing member 340, fixed caps 343 are covered onto the upper and lower parts of rectangular cross sectional coil springs 346, a wire 344 passes through the center of the fixed caps 343 and both ends of the wire 344 are fixed to the fixed caps 343 by welding or riveting. At this time, the rectangular cross sectional coil springs 346 are compressed to a predetermined state and fixed so that it coil springs 346 can hold an elastic force suitable for absorbing and alleviating shocks generated from the sole of a shoe during walking or running.

15. Please amend paragraph [0058], to read as follows:

At the center of the fixed caps 343, ~~fixing~~ the wire 344 is fixed to pass passing through the center of the rectangular cross sectional coil springs 346, and mounting grooves 342 for fixing the wire 344 are formed concave so that the fixed end of the wire 344 cannot be projected to the outside.

16. Please amend paragraph [0060], to read as follows:

Another fixed plate 341 is placed above the fixed ~~caps~~ cap 343 mounted on the fixed plate 341. In this state, several fixed caps 343 are welded or inserted into fixed protuberances projected projecting from the fixed plates so that they cannot move between the fixed plates 341.

17. Please amend paragraph [0061], to read as follows:

With the shock absorbing member 340 of the above construction ~~being~~ is inserted and fixed into the recess 324 of the cushion member 320, a friction member 330 made of rubber with high elasticity is attached to the bottom surface of the cushion member 320 and shock absorbing member 340 to achieve a friction to the ground. ~~Being inserted and fixed into the recess 324 of the cushion member 320.~~

18. Please amend paragraph [0062], to read as follows:

Further, a cushion material of a transparent type is inserted ~~into a the~~ and fixed into the recess 324 of the cushion member 320 through a hole perforated in the heel region of the cushion member 320, to thus form a transparent window portion 323 capable of confirming the operation of shock absorbing member 340 mounted in the recess 324.

19. Please amend paragraph [0063], to read as follows:

In the shock absorbing shoe thus constructed according to the principles of this invention, the heel portion 322 is firstly contacted to the ground upon walking or running, then the foot sole is contacted contacts the ground, and then the forefoot portion 321 is contacted contacts the ground. When the heel portion 322 is contacted contacts the ground, the shock absorbing member 340 absorbs shocks concentrated on the heel portion 322 as shown in Fig. 4. That is, shocks applied to a certain compressed rectangular cross sectional coil springs 346 are firstly absorbed. Shocks exceeding a compression state are secondly absorbed as the rectangular cross sectional coil springs 346 are further compressed.

20: Please amend paragraph [0064], to read as follows:

Hence, the concentrated load generated upon contacting the heel portion 322 onto the

ground is dispersed and transferred to each of the rectangular cross sectional coil springs 346 in the process of transferring to the shock absorbing member 340 of this invention. By this, each of the rectangular cross sectional coil springs 346 receives a load of a dispersed state and compensates for the shock caused by the dispersed load with a stress against the load, thereby drastically reducing the shock transferred to the heel and knee joints of the user.

21. Please amend paragraph [0065], to read as follows:

And, according to a moving state of the foot, when the user is moving by the foot sole sole of the foot and the forefoot portion 321, the shock absorbing member 340 mounted to the forefoot portion 321 in a first compression state is secondly compressed with a concentrated load. And, the rectangular cross sectional coil springs 346 of the shock absorbing member 340 located in the heel portion 322 forms a repulsive force to provide elasticity to the user's foot.

22. Please amend paragraph [0066], to read as follows:

The rectangular cross sectional coil springs 346 of the shock absorbing member 340, which are compressed in the forefoot portion 321 by a continuous movement of the foot, transfers to the user a repulsive force corresponding to the compression state as soon as the foot is released from the ground. Thus, while the user is walking or running, the shock caused by its weight the weight of the user is absorbed in the shoe 300. Besides, the repulsive force corresponding to the elasticity

for compression is transferred to the foot, thereby enabling the user to walk or run without strain.

23. Please amend paragraph [0067], to read as follows:

The rectangular cross sectional coil springs 346 contracting and repulsing in the shock absorbing member 340 as seen from above are mounted between the fixed caps 343 and around the wire 344. In this state, since the fixed caps 343 are located on the fixed plate 341 in a fixed state, a concentrated load is transferred via the fixed plate 341 made of a high surface strength material when the heel portion 322 is ~~contacted to~~ contacts the ground, thereby achieving a stable compressing action. Moreover, since the rectangular cross sectional coil springs 346 have a cross section of a flat, rectangular shape, from whatever direction the concentrated load may be applied ~~from~~, the rectangular cross sectional coil springs 346 achieve a stable compression state ~~by means of the with~~ with fixed plate 341.

24. Please amend paragraph [0069], to read as follows:

As seen from above, according to the shock absorbing shoe according to the present invention, a mutual complementary buffering effect is exhibited by the coil springs and the auxiliary buffering body and so on, thus doubling the shock absorbing effect. By this, a mutual complementary buffering effect is exhibited by the coil springs and the auxiliary buffering body and so on, thus doubling the shock absorbing effect. Therefore, there is no strain given to the knee

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or joints of the user, so the convenience of use and marketability can be enhanced.